Dkt No. 1393.002
2302-1393
PATENT

COMMISSIONER OF PATENTS AND TRADEMARKS
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FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 3

In the Application of BARCHFIELD et al.

Serial No.: 09/044,696 Art Unit: ~~1641~~ 1645

Filed: March 18, 1998 Examiner: S. Devi

Title: DETOXIFIED MUTANTS OF BACTERIAL ADP-RIBOSYLATING TOXINS AS PARENTERAL ADJUVANTS

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
	AA-2						

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES	Translation NO
SD	AB-2	WO 96/06627	March 7, 1996	PCT				
SD	AC-2	0 145 486 A2	June 19, 1985	EPO				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
SD	AD-2	Burnette et al., "Site-Specific Mutagenesis of the Catalytic Subunit of Cholera Toxin: Substituting Lysine for Arginine 7 Causes Loss of Activity," *Infection and Immunity* 59(11):4266-4270 (1991)
SD	AE-2	Di Tommaso et al., "Induction of Antigen-Specific Antibodies in Vaginal Secretions by Using a Nontoxic Mutant of Heat-Labile Enterotoxin as a Mucosal Adjuvant," *Infection and Immunity* 64(3):974-979 (1996)

Examiner: SD Date Considered: January 01.

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SD	AF-2	Douce et al., "Mutants of *Escherichia Coli* Heat-Labile Toxin Lacking ADP-Ribosyltransferase Activity Act as Nontoxic, Mucosal Adjuvants," *Proc. Natl. Acad. Sci. USA* 92:1644-1648 (1995)
SD	AG-2	Douce et al., "Intranasal Immunogenicity and Adjuvanticity of Site-Directed Mutant Derivatives of Cholera Toxin," *Infection and Immunity* 65(7):2821-2828 (1997)
SD	AH-2	Fontana et al., "Construction of Nontoxic Derivatives of Cholera Toxin and Characterization of the Immunological Response Against the A Subunit," *Infection and Immunity* 63(6):2356-2360 (1995)
SD	AI-2	Harford et al., "Inactivation of the *Escherichia Coli* Heat-Labile Enterotoxin by *In Vitro* Mutagenesis of the A-Subunit Gene," *Eur. J. Biochem.* 183:311-316 (1989)
SD	AJ-2	Holmgren et al., "An Oral B Subunit: Whole Cell Vaccine Against Cholera," *Vaccine* 10(13):911-914 (1992)
SD	AK-2	Jackson et al., "Optimizing Oral Vaccines: Induction of Systemic and Mucosal B-Cell and Antibody Responses to Tetanus Toxoid by Use of Cholera Toxin as an Adjuvant," *Infection and Immunity* 61(10):4272-4279 (1993)
SD	AL-2	Magagnoli et al., "Mutations in the A Subunit Affect Yield, Stability, and Protease Sensitivity of Nontoxic Derivatives of Heat-Labile Enterotoxin," *Infection and Immunity* 64(12):5434-5438 (1996)

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Exam. Init.	Ref. Desig.	Description
SD	AM-2	Nashar et al., "Potent Immunogenicity of the B Subunits of *Escherichia Coli* Heat-Labile Enterotoxin: Receptor Binding is Essential and Induces Differential Modulation of Lymphocyte Subsets," *Proc. Natl. Acad. Sci. USA* 93:226-230 (1996)
SD	AN-2	Partidos et al., "The Adjuvant Effect of a Non-Toxic Mutant of Heat-Labile Enterotoxin of *Escherichia Coli* for the Induction of Measles Virus-Specific CTL Responses After Intranasal Co-Immunization With a Synthetic Peptide," *Immunology* 89:483-487 (1996)
SD	AO-2	Pizza et al., "Probing the Structure-Activity Relationship of *Escherichia Coli* LT-A by Site-Directed Mutagenesis," *Molecular Microbiology* 14(1):51-60 (1994)
SD	AP-2	Rollwagen et al., "Killed *Campylobacter* Elicits Immune Response and Protection When Administered With an Oral Adjuvant," *Vaccine* 11(13): 1316-1320 (1993)
SD	AQ-2	Tsuji et al., "A Single Amino Acid Substitution in the A Subunit of *Escherichia Coli* Enterotoxin Results in a Loss of Its Toxic Activity," *The Journal of Biological Chemistry* 265(36):22520-22525 (1990)
SD	AR-2	van den Akker et al., "The Arg7Lys Mutant of Heat-Labile Enterotoxin Exhibits Great Flexibility of Active Site Loop 47-56of the A Subunit," *Biochemistry* 34:10996-11004 (1995)

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